

**PCT**WORLD INTELLECTUAL PROPERTY ORGANIZATION  
International Bureau

## INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification <sup>7</sup> : <b>G01V 13/00, G01P 21/00</b>		A1	(11) International Publication Number: <b>WO 00/55652</b> (43) International Publication Date: 21 September 2000 (21.09.00)
(21) International Application Number: <b>PCT/US00/06032</b> (22) International Filing Date: 8 March 2000 (08.03.00)		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).	
(30) Priority Data: 60/125,076 17 March 1999 (17.03.99) US		Published <i>With international search report.</i>	
(71) Applicant ( <i>for all designated States except US</i> ): INPUT/OUTPUT, INC. [US/US]; 12300 Charles E. Selecman Drive, Suite 200, Stafford, TX 77477 (US).			
(72) Inventors; and (75) Inventors/Applicants ( <i>for US only</i> ): RAGAN, Glen [US/US]; 1330 Ravenscourt, Sugar Land, TX 77478 (US). WILSON, David [US/US]; 4431 Westray, Missouri City, TX 77459 (US). GANNON, Jeffrey, C. [US/US]; 743 Last Arrow Drive, Houston, TX 77079 (US). PHAM, Hai, T. [US/US]; 6319 Coley Park, Sugar Land, TX 77479 (US).			
(74) Agents: MATTINGLY, Todd et al.; Haynes and Boone, LLP, Suite 4300, 1000 Louisiana St., Houston, TX 77002 (US).			

## (54) Title: CALIBRATION OF SENSORS

## (57) Abstract

A plurality of seismic sensors calibration method (100) includes: an assembling so that sensors are coupled with each sensor positioned with its axis of sensitivity in a different spatial direction calibration system step (105), a rotating sensors step (110), a measuring sensors output signals step (115), a sensor output signal processing step (120) and a storing calibration coefficient(s) step (125).

